REMARKS:

The specification and claims of the referenced application have been amended in accordance with common U.S. Patent Practice and to remove the multiple dependencies of claims 3, 4, 7, 10 and 11. New Claims 12-21 were added. No new matter has been introduced through the foregoing amendments. Entry is in order.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,

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ABSTRACT

PROCESS FOR MANUFACTURING A MICROWAVE WINDOW FOR THE SEPARATION OF MEDIA AND WINDOW RESULTING FROM THE PROCESS

The invention relates to a method of manufacturing a microwave window (26, 50, 80) for the separation of media (32, 34), comprising a separating disk (36, 54, 81, 90, 100, 130, 145, 147) transparent to the electromagnetic microwaves and at least one collet (42, 44, 52, 84, 102,104, 161, 164) in the form of a circular cylindrical tube brazed via one of its edges onto one of the two faces (38, 40, 82, 83, 101,132, 136) of the disk, characterized in that it includes at least one step consisting in depositing a thin film of active braze (86) on that edge of the collet which is intended to be brazed onto one of the two faces of the disk, and then in brazing the tube onto the disk.

The invention also relates to a media-separating microwave window resulting from the process, having at least one collet in the form of a circular cylindrical tube with a generatrix close to a straight line.

Applications: high-power microwave tubes, microwave transmission lines.

Figure 6